

**MATHLETICS**

## Student Details

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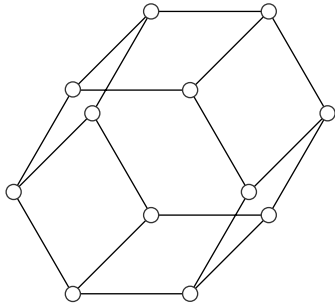
## Test Instructions

If you make a mistake, rub it out thoroughly.

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## 2010 Numeracy Practice Test 2

- 1 Kim made a hexagonal prism like this using 18 matchsticks:



Shade one bubble.



Kim then made a cube using the same matchsticks.

How many matchsticks should Kim have left over?

☐ 2

☐ 6

☐ 12

☐ 18

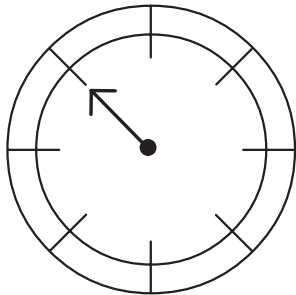
- 2  $44 + 17 =$

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Write one number in each box.



- 3 In which direction is the compass needle pointing?



☐ north-east

☐ north-west

☐ south-east

☐ south-west

Shade one bubble.



- 4 Tyler had two apples. She cut each apple in quarters.



How many quarters did she have in total?

☐ 2

☐ 4

☐ 8

☐ 16

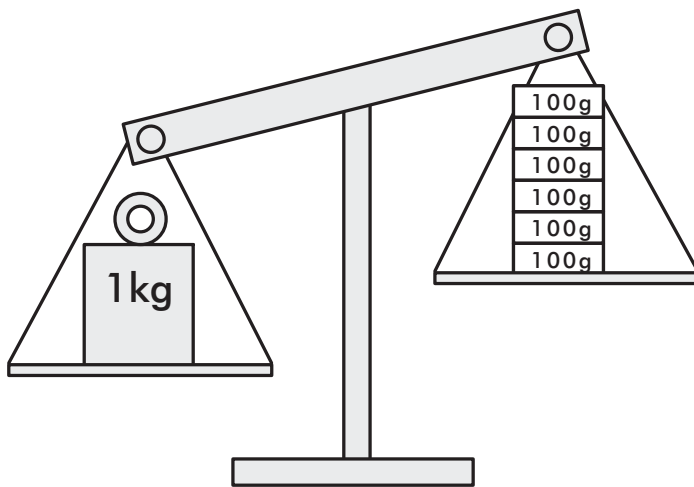
Shade one bubble.



## 2010 Numeracy Practice Test 2

- 5 Penny wanted to balance these scales.

Shade one bubble.



How many more 100 grams blocks will Penny need to balance her scales?

☐ 4

☐ 6

☐ 100

☐ 10

- 6 This is Mia's number sentence.

$$7 \times \triangle = 56$$

What is the missing number?

Write your answer  
in the box.



- 7 A square has sides 8 cm long.  
The perimeter of the square is:

Write one number  
in each box.



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 cm

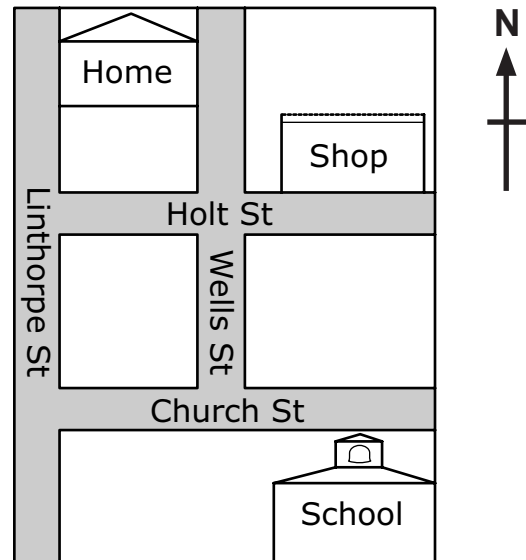
## 2010 Numeracy Practice Test 2

- 8 Max walks the shortest way by road from his home to school.  
Which directions does he walk?

Shade one bubble.



- ☐ North then East.
- ☐ North then West.
- ☐ South then East.
- ☐ South then West.



- 9 Mike is saving to buy a new television that costs \$570. He has already saved \$90.

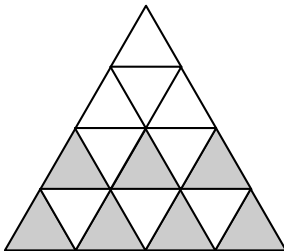
Shade one bubble.



How much more money does Mike need to buy the television?

- ☐ \$660
- ☐ \$561
- ☐ \$489
- ☐ \$480

- 10 What fraction of the shape is shaded?



Shade one bubble.



- ☐  $\frac{3}{8}$
- ☐  $\frac{7}{16}$
- ☐  $\frac{7}{2}$
- ☐  $\frac{5}{16}$

## 2010 Numeracy Practice Test 2

- 11 In March this year Ben was 8 years old and Tim was 12.

Which of the following cannot be true in March next year?

Shade one bubble.



- ☐ Tim will be 13 years old.
- ☐ Tim will be younger than Ben.
- ☐ Ben will be 4 years younger than Tim.
- ☐ Ben will older than he is now.

- 12 Tina got on the train at 2:44 pm and got off it at 3:12 pm.

She was on the train for:

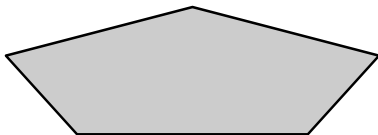
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minutes

Write one number  
in each box.



- 13 This shape is:



- ☐ an octagon.
- ☐ a hexagon.
- ☐ a pentagon.
- ☐ a parallelogram.

Shade one bubble.



- 14 Kim buys a box of 7 pencils for \$4.20.

What is the cost of each pencil?

Shade one bubble.



- ☐ \$0.60
- ☐ \$0.42
- ☐ \$0.70
- ☐ \$1.20

## 2010 Numeracy Practice Test 2

- 15 Ali needs 80 candles for his grandmother's birthday cake.

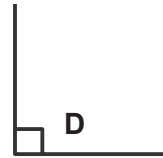
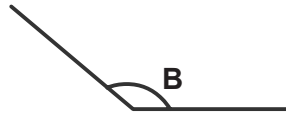
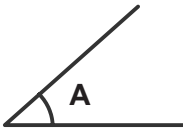
The candles are sold in packets of 12.

What is the least number of packets that Ali needs to buy?

Write your answer in the box.



- 16 Write the letters A, B, C, D to order these marked angles from smallest to largest.



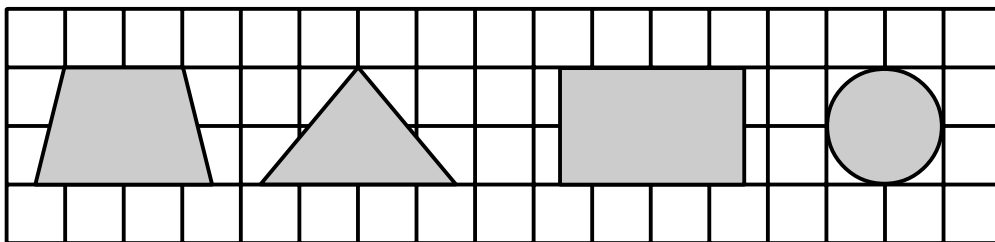
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Write one letter in each box.



- 17 Which one of these shapes has exactly two lines of symmetry?

Shade one bubble.

☐☐☐☐

- 18  $1.8 + 1.9 =$

Shade one bubble.



☐ 3.17

☐ 3.7

☐ 2.17

☐ 2.7

## 2010 Numeracy Practice Test 2

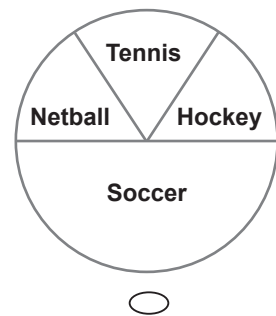
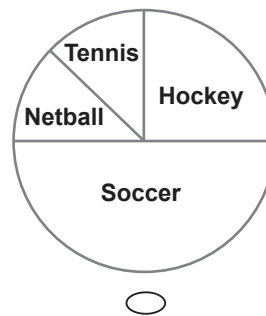
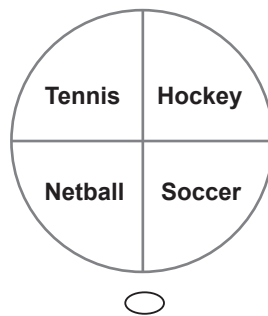
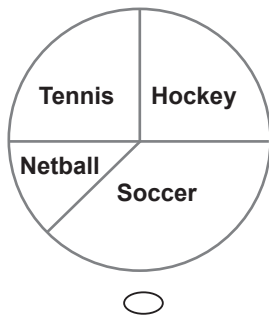
- 19 Thirty-two students in Year 5 chose their favourite sport.

The results are shown in the table below.

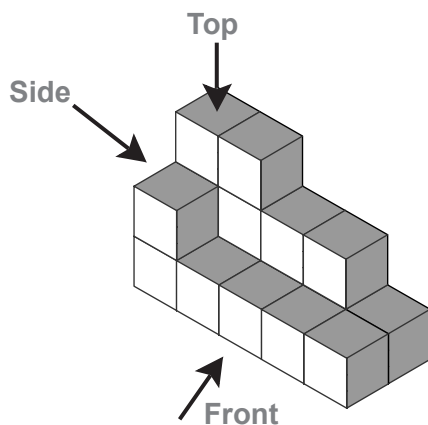
Favourite Sport	Number of students
Tennis	8
Netball	4
Soccer	12
Hockey	8

Which pie graph shows the results?

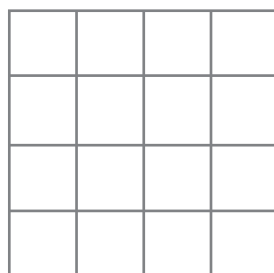
Shade one bubble.



- 20 Look at this solid model.



Draw the side view of this model on the grid below.

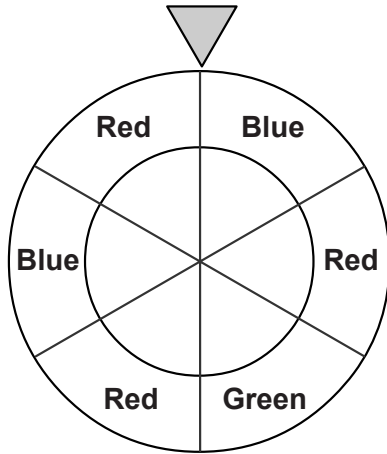


Shade on the grid.



# 2010 Numeracy Practice Test 2

21



Sam made this spinner for a board game.

Which colour is the arrow most likely to land on?

Shade one bubble.

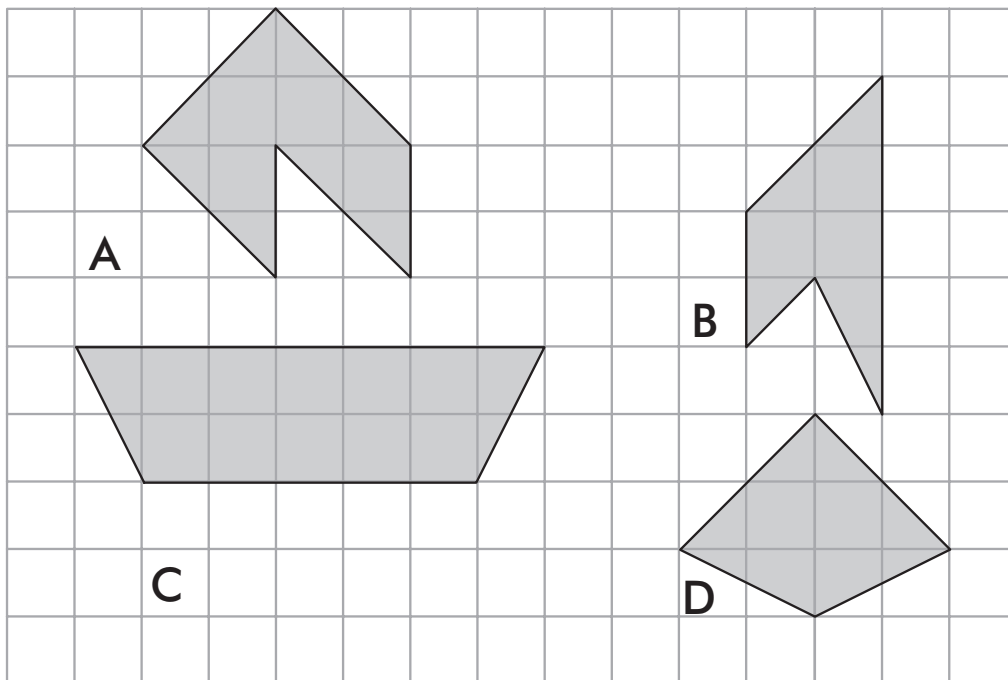


☐ Green

☐ Red

☐ Blue

22



Which shape has the biggest area?

Shade one bubble.



☐ A

☐ B

☐ C

☐ D



## 2010 Numeracy Practice Test 2

23 Which list contains only factors of 18?

Shade one bubble.



☐ 3,4,6,2

☐ 3,6,9,12

☐ 3,6,9,2

☐ 3,4,6,8

24 What is the next number in this sequence?

Shade one bubble.



1,  $1\frac{3}{4}$ ,  $2\frac{1}{2}$ , ...

☐  $2\frac{3}{4}$

☐ 3

☐  $3\frac{1}{2}$

☐  $3\frac{1}{4}$

25

12 cm



4 cm

What is the perimeter of the rectangle?

Write one number in each box.

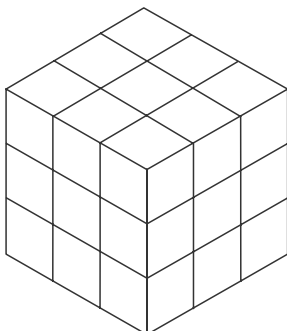


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cm

26 How many small cubes are used to make this large cube?

Shade one bubble.



☐ 27

☐ 19

☐ 54

☐ 36

## 2010 Numeracy Practice Test 2

- 27 Tom has 8 lollies. Kim has 12 lollies.

Which of the following would result in both children having the same number of lollies?

- ☐ Tom gives Kim 2 of his lollies.
- ☐ Kim gives Tom 2 of her lollies.
- ☐ Tom gives Kim 4 of his lollies.
- ☐ Kim gives Tom 4 of her lollies.

Shade one bubble.



- 28  $28 \times 12 =$

- ☐ 282      ☐ 256      ☐ 330      ☐ 336

Shade one bubble.



- 29 Charlie earned \$20 pocket money in January, \$5 pocket money in February and \$20 pocket money in March.

For these three months, the mean (average) amount of pocket money he earned was:

\$ 

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Write one number in each box.



- 30



On the number line, what is this arrow pointing to?

- ☐ 2      ☐ -2      ☐ 10      ☐ -10

Shade one bubble.



## 2010 Numeracy Practice Test 2

31 Which fraction has the highest value?

Shade one bubble.



☐  $\frac{2}{3}$

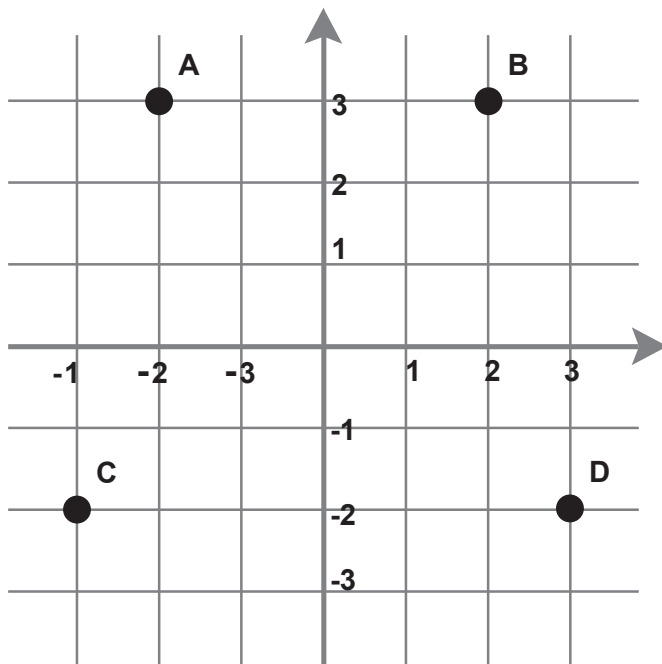
☐  $\frac{3}{4}$

☐  $\frac{2}{6}$

☐  $\frac{7}{12}$

32 Which point has the coordinates (2,3)?

Shade one bubble.



☐ A

☐ B

☐ C

☐ D

33  $\frac{2}{20}$  is equal to:

Shade one bubble.



☐ 0.1

☐ 0.2

☐ 1.2

☐ 1.1

## 2010 Numeracy Practice Test 2

34

10% of \$86.00 = \$  .

Write one number in each box.



35

Tom started painting a fence at 11:42 am and finished 73 minutes later.

What time did Tom finish painting the fence?

☐ 12.55 pm

☐ 12.45 pm

☐ 11.55 pm

☐ 11.45 pm

Shade one bubble.



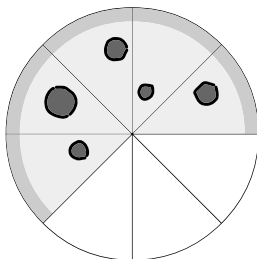
36

Ben and Mia shared a pizza.

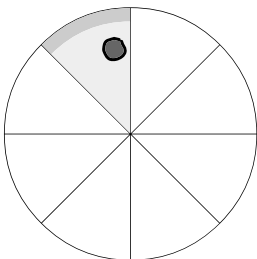
Ben ate  $\frac{3}{8}$  of the pizza and Mia ate  $\frac{1}{2}$  of the pizza.

Which picture shows how much pizza was left over?

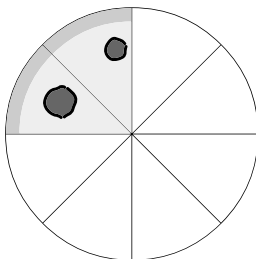
Shade one bubble.



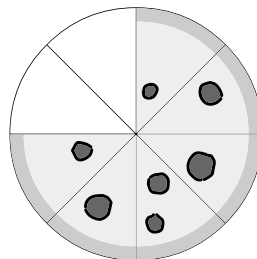
☐



☐



☐



☐

## 2010 Numeracy Practice Test 2

37 4, 6, 9, 13, 18, , 31 ...

Shade one bubble.



The missing number for this pattern is:

☐ 22

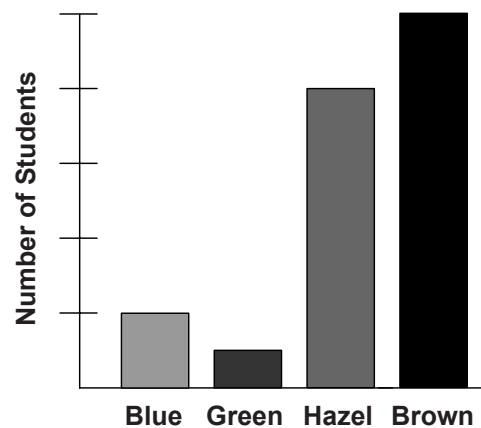
☐ 19

☐ 24

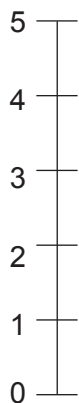
☐ 20

38 The table below was used to make an “Eye Colour” graph.

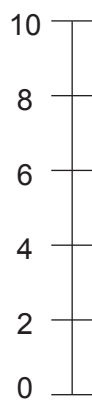
Eye Colour	Number of Students
Blue	2
Green	1
Hazel	8
Brown	10



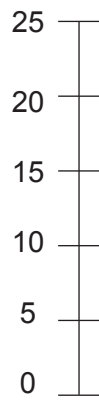
The scale on the “Number of Students” axis should be:



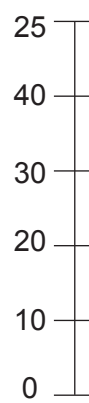
☐



☐



☐



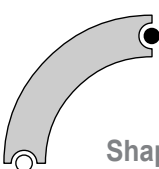
☐

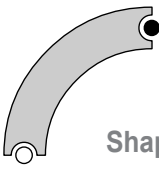
Shade one bubble.

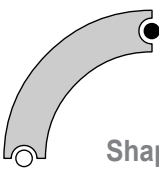


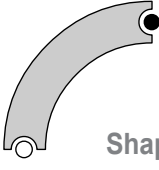
# 2010 Numeracy Practice Test 2

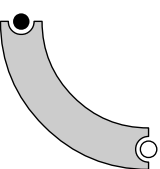
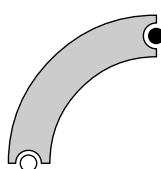
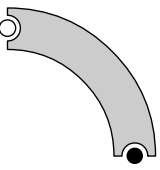
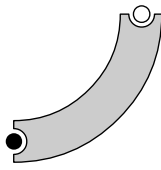
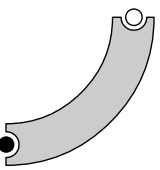
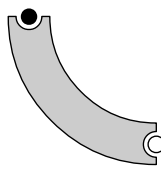
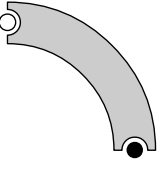
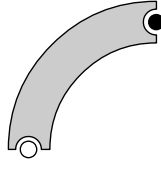
39 Which shape has been rotated 90 degrees to the right twice?


☐  Shape 1

☐  Shape 2

☐  Shape 3

☐  Shape 4

Shade one bubble. 

40 Which set of shapes makes the net of a triangular prism?

- ☐ Four rectangles and two squares
- ☐ Three triangles and one square
- ☐ Four triangles
- ☐ Three rectangles and two triangles

Shade one bubble. 

END OF TEST